SEQUENCE LISTING

<110> Kapil, Sanjay

Shanmukhappa, Kumar

<120> IDENTIFICATION AND APPLICATIONS OF PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS HOST SUSCEPTIBLE FACTOR(S) FOR IMPROVED SWINE BREEDING AND DEVELOPMENT OF NON-SIMIAN RECOMBINANT CELL LINE FOR PROPAGATION OF THE VIRUS AND A TARGET FOR A NOVEL CLASS OF ANTIVIRAL COMPOUNDS

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<150> 09/772,044

<151> 2001-01-29

<160> 38

<170> PatentIn version 3.1

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cggcctggct gtcatggcag tgggcatctg gacgctggcc ctcaagagtg actacatcag 180

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tgctcaataa acgcctgtgg accagaaaaa aaaaaaaaaa a 3161

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<211> 89

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ctcagagagg agcggtcccc agcagccag 89

<210> 16

<211> 795

<212> DNA

<213> Simian Gen. Sp.

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gccccaggtg ctgagcgggg cctgggccgc actgcccccc gtccctcagg gtggacaccc 120

caggacagag cgagcggggc acctctgggg tgtccctggg gaggagcaga gcccgcggcg 180

gtgtttctcc ctggggttgg tgtggctgtc ctcaccggta atgaggacca gcacgggaag 240

gccccccagg cctgccaccc gcccgccctg gggtgggggg gaaggaaggc aggcctgccc 300

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gggcagtggg ccctccctcc cttactggta ctggggatgg gggctcctga gctgcgctcc 660

caggaagtgt ccccccttccc acggacactc ccagagcctt caccagccaa ctgggactgg 720

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tgttccctgc cccag 795

<210> 17

<211> 92

<212> DNA

<213> Simian Gen. Sp.

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acctgctttt caccttcaac tgctgcttct gg 92

<210> 18

<211> 91

<212> DNA

<213> Simian Gen. Sp.

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agacgtggtg attggtgtgc actgcccgca g 91

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<211> 192

<212> DNA

<213> Simian Gen. Sp.

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ctgctgcggc tg 192

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<211> 75

<212> DNA

<213> Simian Gen. Sp.

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gtctactacc agcag 75

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<211> 444

<212> DNA

<213> Simian Gen. Sp.

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gaagctgtcg ccacctcgcc acag 444

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<211> 105

<212> DNA

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<210> 23

<211> 110

<212> DNA

<213> Simian Gen. Sp.

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<212> DNA

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ggtgaggcag gcgaccgtgt ggttcctgac agctgctgca agacggtggt ggcgggctgc 120

gggcggcggg accacgcctc caacatctac aaagtggag 159

<210> 25

<211> 123

<212> DNA

<213> Simian Gen. Sp.

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ccggggctgg ggaagaggcc ccccctgccc tcgacgcgcc gctcaccccc actcccaccc 120

cag 123

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<211> 87

<212> DNA

<213> Simian Gen. Sp.

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gtgggcatcg gcatcgcctg tgtgcag 87

<210> 27

<211> 80

<212> DNA

<213> Simian Gen. Sp.

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catgccggct cttggctcag 80

<210> 28

<211> 60

<212> DNA

<213> Simian Gen. Sp.

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<210> 29

<211> 659

<212> DNA

<213> Simian Gen. Sp.

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ctcctgcttt gtgataggtg ctcaataaac gcctgtggac cagaaaaaaa aaaaaaaaa 659

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<211> 4

<212> PRT

<213> Porcine Gen. Sp.

<400> 30

Tyr Arg Ser Leu
1

<210> 31

<211> 22

<212> DNA

<213> Artificial sequence

<220>

<223> This sequence is the forward primer for RT-PCR amplification of P
RRSV RNA

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<210> 32

<211> 22

<212> DNA

<213> Artificial sequence

<220>

<223> This sequence is a reverse primer for RT-PCR amplification of PRR
SV RNA

<400> 32
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<210> 33

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> This sequence is a forward primer for RT-PCR

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<210> 34

<211> 20

<212> DNA

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<220>

<223> This sequence is a reverse primer for RT-PCR

<400> 34
acaggcgcag caggttccga 20

<210> 35

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> This sequence is a forward primer for RT-PCR

<400> 35
tgggctggca ttcttgaggc 20

<210> 36

<211> 21

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<213> Artificial sequence

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<223> This sequence is a reverse primer for RT-PCR

<400> 36
ttcgggccgc atggttctcg c 21

<210> 37

<211> 4

<212> PRT

<213> Artificial sequence

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<223> This sequence is a motif which has known RNa binding activity

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<223> X is any amino acid

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Tyr Xaa Xaa Leu

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<210> 38

<211> 859

<212> DNA

<213> Porcine Gen. Sp.

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